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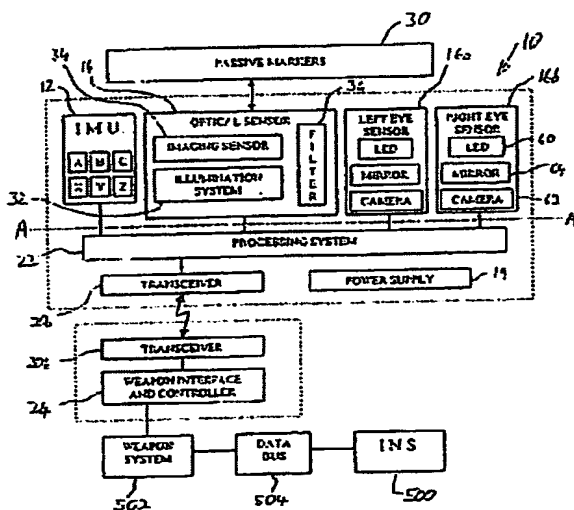
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(54) Title: **HELMET SYSTEM FOR INFORMATION OR WEAPON SYSTEMS**



(57) Abstract: A helmet position measuring system for use in a predefined environment. The system includes a helmet-mounted illumination system for directing electromagnetic radiation of one or more wavelength from the helmet in one or more range of angles, a set of three or more passive reflectors deployed at fixed positions in the predefined environment to reflect electromagnetic radiation from the illumination system, a helmet-mounted imaging system sensitive to the one or more wavelength for deriving images of part of the predefined environment including electromagnetic radiation reflected from the reflectors, and a processing system associated with the imaging system for processing the images to identify regions of the images corresponding to the reflectors and hence to determine information relating to a position of the helmet within the predefined environment.

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